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Modified Form 1449/PTO		Application Number	09/996,015
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	11/28/2001
(use as many sheets as necessary)		First Named Inventor	Quinn
		Group Art Unit	1652
		Examiner Name	Not Yet Assigned - RAMIREZ
		Attorney Docket Number	15966-581 CIP

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
DR	B1	WO 98/39446	Human Genome Sciences, Inc.	09/11/1998	
↑	B2	WO 00/58473	CuraGen, Corp.	10/05/2000	
↓	B3	WO 01/10903	Incyte Genomics, Inc.	02/15/2001	
DR	B4	EP 1 067 182	Helix Res. Inst.	01/10/2001	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DR	C1*	Brownstein, et al. (1980). "Synthesis, transport, and release of posterior pituitary hormones." <i>Science</i> 207(4429): 373-8.
↑	C2*	DeCruz, et al. (1996). "The basis for somatic gene therapy of cancer." <i>J Exp Ther Oncol</i> 1(2): 73-83. ABSTRACT ONLY
	C3*	Fricker and Leiter (1999). "Peptides, enzymes and obesity: new insights from a 'dead' enzyme." <i>Trends Biochem Sci</i> 24(10): 390-3.
	C4*	EMBL Database Accession Number: Q61281 (11/01/96).
	C5*	EMBL Database Accession Number: Q14113 (11/01/96).
	C6*	EMBL Database Accession Number: O88442 (11/01/98).
	C7*	Layne, et al. (1998). "Aortic carboxypeptidase-like protein, a novel protein with discoidin and carboxypeptidase-like domains, is up-regulated during vascular smooth muscle cell differentiation." <i>J Biol Chem</i> 273(25): 15654-60.
	C8*	EMBL Database Accession Number: AF077738 (03/11/99).
	C9*	GenBank Accession Number: Q9Z100 (05/01/99).
	C10*	Lei, et al. (1999). "Identification of mouse CPX-1, a novel member of the metallocarboxypeptidase gene family with highest similarity to CPX-2." <i>DNA Cell Biol</i> 18(2): 175-85.
	C11*	SWISS-PROT Database Accession Number: ALO35460 (10/01/00).
	C12*	McGwire, et al. (1997). "Identification of a membrane-bound carboxypeptidase as the mammalian homolog of duck gp180, a hepatitis B virus-binding protein." <i>Life Sci</i> 60(10): 715-24.
↓	C13*	Mulise and Ro (1999). "Enzymic characterization of a novel member of the regulatory B-like carboxypeptidase with transcriptional repression function: stimulation of enzymic activity by its target DNA." <i>Biochem J</i> 343 Pt 2: 341-5.
DR	C14*	Nagg, et al. (1995). "Hyperproinsulinaemia in obese fat/fat mice associated with a

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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
MAY 22 2002 SEARCHED INDEXED TRADEMAKES OCT 1 2002 CIP E		carboxypeptidase E mutation which reduces enzyme activity." <i>Nat Genet</i> 10(2): 135-42. ABSTRACT ONLY
	C15*	Ohno, et al. (1996). "A cDNA cloning of human AEBP1 from primary cultured osteoblasts and its expression in a differentiating osteoblastic cell line." <i>Biochem Biophys Res Commun</i> 228(2): 411-4.
	C16*	Olias, et al. (1996). "Heterologous expression of human vasopressin-neurophysin precursors in a pituitary cell line: defective transport of a mutant protein from patients with familial diabetes insipidus." <i>DNA Cell Biol</i> 15(11): 929-35.
	C17*	Rehli, et al. (1995). "Carboxypeptidase M is identical to the MAX.1 antigen and its expression is associated with monocyte to macrophage differentiation." <i>J Biol Chem</i> 270(26): 15644-9.
	C18*	Repaske and Browning (1994). "A de novo mutation in the coding sequence for neurophysin-II (Pro24->Leu) is associated with onset and transmission of autosomal dominant neurohypophyseal diabetes insipidus." <i>J Clin Endocrinol Metab</i> 79(2): 421-7.
	C19*	Sachs, et al. (1969). "Biosynthesis and release of vasopressin and neurophysin." <i>Recent Prog Horm Res</i> 25: 447-91.
	C20*	Saez, et al. (1997). "Inducible gene expression in mammalian cells and transgenic mice." <i>Curr Opin Biotechnol</i> 8(5): 608-16.
	C21*	Sawada and Kamataki (1998). "Genetically engineered cells stably expressing cytochrome P450 and their application to mutagen assays." <i>Mutat Res</i> 411(1): 19-43.
	C22*	Schmale, et al. (1984). "The mutant vasopressin gene from diabetes insipidus (Brattleboro) rats is transcribed but the message is not efficiently translated." <i>Embo J</i> 3(13): 3289-93.
	C23*	Seed (1987). "An LFA-3 cDNA encodes a phospholipid-linked membrane protein homologous to its receptor CD2." <i>Nature</i> 329(6142): 840-2. ABSTRACT ONLY
	C24*	Song and Fricker (1997). "Cloning and expression of human carboxypeptidase Z, a novel metallocarboxypeptidase." <i>J Biol Chem</i> 272(16): 10543-50.
	C25*	Tan, et al. (1989). "Protamine inhibits plasma carboxypeptidase N, the inactivator of anaphylatoxins and kinins." <i>Anesthesiology</i> 70(2): 267-75.
	C26*	Vogel (1999). "Discoidin domain receptors: structural relations and functional implications." <i>Faseb J</i> 13(Suppl): S77-82.
	C27*	EMBL Database Accession Number: O54860 (06/01/98).
	C28*	Xin, et al. (1998). "Identification of mouse CPX-2, a novel member of the metallocarboxypeptidase gene family: cDNA cloning, mRNA distribution, and protein expression and characterization." <i>DNA Cell Biol</i> 17(10): 897-909.
	C29	EMBL Database Accession Number: Q9NUBS (10/01/00).
DL	C30	International Search Report for PCT/US00/28364. Mailed on 7/26/2001. April 19, 2001

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/641,741, filed August 18, 2000, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	1/18/2005
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JK	A1	5,460,951	10/24/95	Kawai, et al.			08/26/1993
JK	A2	6,140,098	10/31/00	Balasubramanian, et al.			08/30/1996

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